



09-28-01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: Xiong Liu et al.

Title: METHOD TO ACHIEVE HIGHER TRACK DENSITY BY ALLOWING ONLY ONE-SIDED TRACK ENCROACHMENT

Attorney Docket No.: 1834.130US1

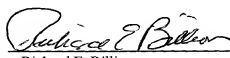
**PATENT APPLICATION TRANSMITTAL****BOX PATENT APPLICATION**Commissioner for Patents  
Washington, D.C. 20231

We are transmitting herewith the following attached items and information (as indicated with an "X"):

- ☒ Return postcard.  
☒ Utility Patent Application under 37 CFR § 1.53(b) comprising:  
☒ Specification ( 29 pgs, including claims numbered 1 through 24 and a 1 page Abstract).  
☒ Formal Drawing(s) ( 8 sheets).  
☒ Unsigned Declaration ( 3 pgs).  
☒ Information Disclosure Statement ( 1 pgs), Form 1449 ( 1 pgs), and copies of cited references ( 14 ).

**The filing fee (NOT ENCLOSED) will be calculated as follows:**

	No. Filed	No. Extra	Rate	Fee
TOTAL CLAIMS	24 - 20 =	4	x 18 =	\$72.00
INDEPENDENT CLAIMS	4 - 3 =	1	x 80 =	\$80.00
[ ] MULTIPLE DEPENDENT CLAIMS PRESENTED				\$0.00
BASIC FEE				\$710.00
TOTAL				\$862.00

**THE FILING FEE WILL BE PAID UPON RECEIPT OF THE NOTICE TO FILE MISSING PARTS.**SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)By:   
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Reg. No. 32,836**Customer Number 21186**"Express Mail" mailing label number: EL873860356USDate of Deposit: September 27, 2001

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.